

XEROX**Material Safety Data Sheet****MSDS No.:** A5**Date:** 9/25/98**Revision:** 5/28/03**Distributor:**
Xerox Corporation
Rochester, NY 14644**Telephone #'s Safety Information.:** (800) 828-6571
Health Emergency: (585) 422-2177
Transportation Emergency (Chemtrec): (800) 424-9300**Section I - Product Identification****Trade Names/Synonyms:** 4508, DocuPrint P8e, DocuPrint P8ex,
DocuPrint P1202, WorkCentre 385/390
Black Toner
Part No. 113R113,113R114,113R123,
113R265, 113R296,
113R462
106R397, 106R398**Chemical Name:** None**OSHA/WHMIS Status** This is not a WHMIS controlled product.**Ingredients (% by wt.)****CAS#**

Styrene/butylacrylate/acrylic acid terpolymer (<90%)	25586-20-3
Polyester resin (70-80%)*	Confidential ¹
Grafted polyester styrene/acrylate resin (10-20%)*	Proprietary
Polypropylene wax (<3%)	9003-07-0
Carbon black (3-5%)	1333-86-4
Chlorinated copper phthalocyanine (<2%)	12239-87-1
Amorphous silica (>2%)	7631-86-9
Blue pigment (<1%)*	147-14-8

* Reference label on toner

Section II - Emergency and First Aid**Primary Route of Entry:**

Inhalation

Eyes:

Flush with water.

Skin:

Wash with soap and water.

Inhalation:

Remove from exposure.

Ingestion:

Dilute stomach contents with several glasses of water.

Symptoms of Overexposure:

Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust

Medical Conditions Generally Aggravated by Exposure:

None when used as described by product literature.

Additional Information:

None

Section III - Toxicology and Health Information*The toxicology of this toner has been evaluated by Xerox Corporation. Data presented in this section is based on the test results of this toner or similar reprographic toners.*

Oral LD₅₀:	> 5 g/kg (rats)	TLV:	10 mg/m ³ (total dust)
Dermal LD₅₀:	> 5 g/kg (rabbits)	PEL:	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
Inhalation LC₅₀:	> 5 mg/l (rats 4 hr exposure) > 20 mg/l (rats calculated 1 hr exposure)	STEL:	N.E
Eye Irritation:	Non-irritating (rabbits)	Ceilin	N.E.
Skin Sensitization:	Non-sensitizing (guinea pigs; human patch)	g XEL²:	2.5 mg/m ³ (total dust) 0.4 mg/m ³ (respirable dust)
Skin Irritation:	Non-irritating (rabbits; human patch)		
Mutagenicity:	Non-mutagenicity detected in Ames assay.		
Carcinogens:	None known.		
Aquatic LC₅₀:	>1000 mg/l (fathead minnows; rainbow trout)		

Additional Information: The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m³) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in one-fourth of the animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16mg/m³) exposure level. These findings are attributed to "lung overloading",

a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.

¹New Jersey Trade Secret Number : 80100252-5001P. ²XEL - Xerox Exposure Limit

N.A. - Not Applicable N.E. - None Established N.D. - Not Determined

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WorkCentre 385/390 Black Toner

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Section IV - Physical Data

Appearance/Odor:	Black powder / slight	Softening Range:	110-140 °F (43-60 °C)
Boiling Point:	N. A.	Melting Point:	N. A.
Solubility in Water:	Insoluble	Specific Gravity (H₂O=1)	~1
Evaporation Rate:	N. A.	Vapor Pressure (mm Hg):	N. A.
Vapor Density (Air=1):	N. A.	pH:	N. A.
Volatile:	N. A. %(Wt.) N. A. %(Vol.)		

Section V - Fire and Explosion Data

Flash Point (Method Used): N. A.
Flammable Limits: **LEL:** N. A., **UEL:** N. A.
NFPA 704: Health – 0, Fire – 1, Reactivity - 0
Extinguishing Media: Water, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: Toner is a combustible powder. Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Products of combustion may be toxic. Avoid breathing smoke.
Incompatibility (Materials to Avoid): None known

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended
Eye Protection: None required when used as intended
Protective Gloves: None required when used as intended
Other: For use other than normal customer - operating procedures (such as in bulk toner processing facilities) goggles and respirators may be required. For more information, contact Xerox.

Section VIII - Special Precautions

Handling and Storage: None
Conditions to Avoid: Avoid prolonged inhalation of excessive dust.

Section IX - Spill, Leak, and Disposal Procedures

For Spills or Leakage: Sweep up or vacuum spilled toner and carefully transfer into a sealable waste container. Sweep slowly to minimize generation of dust during clean up. If a vacuum is used, the motor must be rated as dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See Section V). Residue can be removed with soap and cold water. Garments may be washed or dry-cleaned, after removal of loose toner.
Waste Disposal Method: This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local requirements may be more restrictive. Consult with the appropriate State and Local waste disposal authorities for additional information. Incinerate only in a closed container.

Section X - Transportation Information

DOT Proper Shipping Name:	N. A. (Not Regulated)	ID Number:	N. A.
Hazard Classification:	N. A.	Packing Group:	N. A.

